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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/643,975	08/20/2003	Hiroyuki Minemura	1021.43050X00	4972
20457 ANTONELLI	7590 11/15/200 TERRY STOUT & KI	•	EXAMINER	
ANTONELLI, TERRY, STOUT & KRAUS, LLP 1300 NORTH SEVENTEENTH STREET			DANIELSEN, NATHAN ANDREW	
	SUITE 1800 ARLINGTON, VA 22209-3873		ART UNIT	PAPER NUMBER
			2627	
			MAIL DATE	DÉLIVERY MODE
			11/15/2007 -	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)	
,	10/643,975	MINEMURA, HIROYUKI	
Office Action Summary	Examiner	Art Unit	
	Nathan Danielsen	2627	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address	
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	l. ely filed the mailing date of this communication. O (35 U.S.C. § 133).	
Status			
Responsive to communication(s) filed on <u>21 At</u> This action is <b>FINAL</b> . 2b) ☐ This     Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final.  nce except for formal matters, pro		
Disposition of Claims			
4) ⊠ Claim(s) 1-10 is/are pending in the application.  4a) Of the above claim(s) is/are withdraw  5) ⊠ Claim(s) 1-6 is/are allowed.  6) □ Claim(s) is/are rejected.  7) ⊠ Claim(s) 7-10 is/are objected to.  8) □ Claim(s) are subject to restriction and/or	vn from consideration.		
Application Papers			
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine	epted or b) $\square$ objected to by the Eddrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Application rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage	
Attachment(c)			
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO/SB/08)  Paper No(s)/Mail Date 10/17/07.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ite	

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#### **DETAILED ACTION**

1. Claims 1-10 are pending.

#### Claim Objections - 37 CFR 1.75(a)

2. Claims 7-10 are objected to under 37 CFR 1.75(a) for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

3. Regarding claim 7, it is unclear from the claim whether the term "each bit array" in the final paragraph of the claim is intended to refer to --each N-bit bit array--, --each M-bit bit array-- or --each N-bit bit array and each M-bit bit array--. Claims 8-10 fall with their respective parent claim.

Further regarding claim 7, the examiner suggests changing "each M-bit (M>N) bit array;" to -- each M-bit bit array, where M is greater than N;--

Appropriate correction is required.

### Allowable Subject Matter

- Claims 1-6 are allowed for the reasons in the Office action mailed 21 March 2007.
- 5. Claim 7 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.
- 6. The following is a statement of reasons for the indication of allowable subject matter: regarding claim 7, the prior art of record, either alone or in combination, fails to teach or fairly suggest where M is greater than N, as pointed out in applicant's arguments submitted 21 August 2007.

## Response to Arguments

7. Applicant's arguments, see pages 7-11, filed 21 August 2007, with respect to the rejection of claims 7-10 under 35 USC §§ 112, first paragraph, and 103(a) have been fully considered and are persuasive. The rejections of 21 March 2007 have been withdrawn.

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Closing Remarks/Comments

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8. This application is in condition for allowance except for the above matter.

Prosecution on the merits is closed in accordance with the practice under Ex parte Quayle, 1935

C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire TWO MONTHS from the

mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should

be directed to Nathan Danielsen whose telephone number is (571) 272-4248. The examiner can

normally be reached on Monday-Friday, 9:00 AM - 5:00 PM Eastern Time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

William Korzuch can be reached on (571) 272-7589. The fax phone number for the organization where

this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application

Information Retrieval (PAIR) system. Status information for published applications may be obtained from

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1000.

Nathan Danielsen 11/09/2007

> /Thang V. Tran/ Primary Examiner

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